Touch eBoard

User Manual v3

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Note:

Please read, understand and follow the information contained in this User Guide before installation and use this product.

1. Safety Information

This product was designed, and intended for use indoor via a USB cable or wireless USB receiver connected to a desktop or laptop computer. Use this product in an outdoor and/or wet environment could damage this product and create a potentially unsafe operating condition

Meaning of Signal Words	
⚠ WARNING	Indicates a potential hazard that could result in serious injury or death and/or property damage.
⚠ CAUTION	Indicates hazards that could result in minor or moderate injury and/or property damage.

1. Safety Information (Continue….)

⚠ WARNING

- Please read, understand and follow all safety information contained in this User Manual before installation and use this product.
- Do not use this product in an outdoor and/or wet environment.
- Do not use this product near water. Electric shock will result.
- This product is not intended for use by unsupervised children. Always provide proper adult supervision when using this product around children.
- At least two qualified service technicians should perform the installation and removal procedure. Failure to do so could result in serious personal injury and/or damage from dropping this product.
- Before installation, take the wall material and wall strength into consideration.
- Always place this product on a stable and level surface.
- Use only the designated wall mount and mobile stand hardware.
- Follow all installation instructions carefully.
- Make sure the mounting screws are properly sized to handle the weight of this product.
- Make sure the mounting hardware is securely anchored to a solid structure.
- Only plug the power cord, power plug or power adaptor into an AC power outlet with the proper and indicated power supply voltage and is effectively grounded (earthed) through the normal wiring. If this product is used at a power supply voltage other than the one indicated, it would fail and may result in fire or electric shock.
- If the power cord or power plug or power adaptor cannot be plugged into the AC power outlet, contact a licenses electrician to replace the AC power outlet with a properly grounded (**earthed**) one.
- When you operate this product, the AC power outlet should be near this product and easily accessible.
- The fact that this product operates satisfactorily does not imply that the AC power outlet is grounded (**earthed**) and that the installation is completely safe. For your safety, if in any doubt about the effective grounding (earthing) of the AC power point, consult a qualified electrician.

1. Safety Information (Continue….)

⚠ WARNING

- Do not defeat the purpose of the grounding (Earthing) plug (for example, do not use a conversion plug).
- Always plug the power cord, power plug or power adaptor securely and firmly into an AC power outlet. Otherwise, overheating will occur, possibly resulting in electric shock or fire.
- Do not pull, bend, rest objects on, or chafe the power cord or power plug or power adaptor. Damage to the power cord or power plug or power adaptor can cause fire or electric shock.
- Do not attempt to repair the power cord, power plug or power adaptor. If the power cord or power plug or power adaptor is damaged or frayed, contact an authorized service representative for a replacement.
- Periodically clean the power cord or power plug or power adaptor to ensure the connection is free of dust. In a damp environment, a contaminated connector can draw a significant amount of current that can generate heat and eventually cause fire if left unattended over an extended period of time.
- Never touch the power cord or power plug or power adaptor with wet hands. Electric shock will result.
- Stop operation immediately if your product emits smoke, excessive heat, abnormal smell or unusual noise. These conditions can cause fire or electronic shock. Immediately turn your product off and unplug the power cord or power plug or power adaptor, and contact an authorized service representative for service.
- When disconnecting this product, hold the power plug or the power adaptor instead of the power cord. Pulling on a power cord forcibly can damage it and cause fire or electric shock.
- To prevent fire or shock hazard, do not expose this product to rain or any type of moisture.
- If metal objects or a liquid get into this product, turn this product off and unplug this product immediately. Contact an authorized service representative for service. Operating the contaminated product can cause fire or electronic shock.
- Never open or remove unit covers that are screwed with screws. A high-voltage component can cause electric shock.
- Do not alter this product or modify any parts. Alternation or modification can cause fire or electronic shock
- Before cleaning this product, unplug the power cord or power plug or power adaptor. Electric shock sometimes results.

1. Safety Information (Continue….)

- Do not open or alter the casing of this product. Electric shock or injury may result.
- Be careful about the location of the power cord, power plug or power adaptor to avoid it trips someone or causing this product to fall, etc. It may cause injury or product failure.
- Do not leave this product or any of its accessories on the floor to avoid someone break it when stepping on it or injured by tripping on it.
- Use only the included power cord or power plug or power adaptor. If other power cord or power plug or power adaptor is used, fire or electric shock might result.
- Do not operate this product in a location with high temperature or high humidity. This product is suitable to work under: Temperature: 10℃ to 40℃; Humidity: 10% to 80%; NO condensation.
- Unplug the power cord, power plug or power adaptor from the AC power outlet when:

  - The power cord or power supply plug is damaged.
  - A liquid is spilled onto this product.
  - This product is exposed to rain or water.
  - This product becomes malfunctions and/or need repairing.
  - This product falls or after its cabinet is damaged.

1. Safety Information (Continue….)

⚠ CAUTION

- This product must be disposed in accordance with the relevant federal, state, and local laws and regulations.
- Do not install this product except by qualified service personnel.
- Avoid fire and heat source above 100℃.
- When this product is not used over an extended period of time, switch it off and unplug the power plug or power adaptor. If it is unused and is left connected to a power source for a long period, degraded insulation may cause electronic shock, current leakage or fire.
- Do not position this product in a location where it is unstable.
- Do not place this product in a hot humid or dusty environment. Prolonged exposure to these adverse conditions may cause fire or electric shock.
- When moving this product, be sure to unplug the power cord, plug or power adaptor from the AC power outlet. If this product is moved with the power cord or plug or power attached, it can cause damage to the power cord, plug or power adaptor which could result in fire or electric shock.
- After installing or moving this product, lock the casters when it is hanging on a mobile stand.
- If this product is fallen down or damaged, turn this product off and unplug the power cord or power plug or power adaptor. Otherwise, it may cause fire or electric shock.
- Do not put drinks, other liquids or heavy items on the tray or screen. Accidental spillage of liquid into this product may cause severe damage. If this occurs, turn this product off, unplug the power cord or power plug or power adaptor and contact an authorized service representative for service.
- Do not lean against this product even this product is mounted on the wall.
- When this product is not used over an extended period of time, take the batteries out of the electronic stylus. Otherwise the batteries may leak. Do not use the leaked batteries.
- Do not install this product where it may be exposed to direct sunlight, near heating equipment, or near air-conditioning vents.
- Do not install this product in strong sunlight or strong lighting.
- Do not install this product in locations where the temperature may change suddenly.
- Do not allow writing to remain on the screen for an extended period of time as it will become harder to erase.
- Do not erase with an overly dirty eraser.
- Use commercially available whit board cleaner for hard-to-erase stains.
- Use only designated markers and erasers. Use of accessories other than those authorized (such as oil-based markers) may damage the screen or result in hard-to-erase markings.
- If you connect the wireless USB receiver to a USB hub, it is not guaranteed to work.
- Fasten the screws tightly to avoid the stand or this product fall which may cause injury or damage.
- Before installation, take the wall material and wall strength into consideration. For details, please

consult your dealer.

2. Scope of Supply

After unpacking, please make sure all of the following parts (subject to your purchase) are present

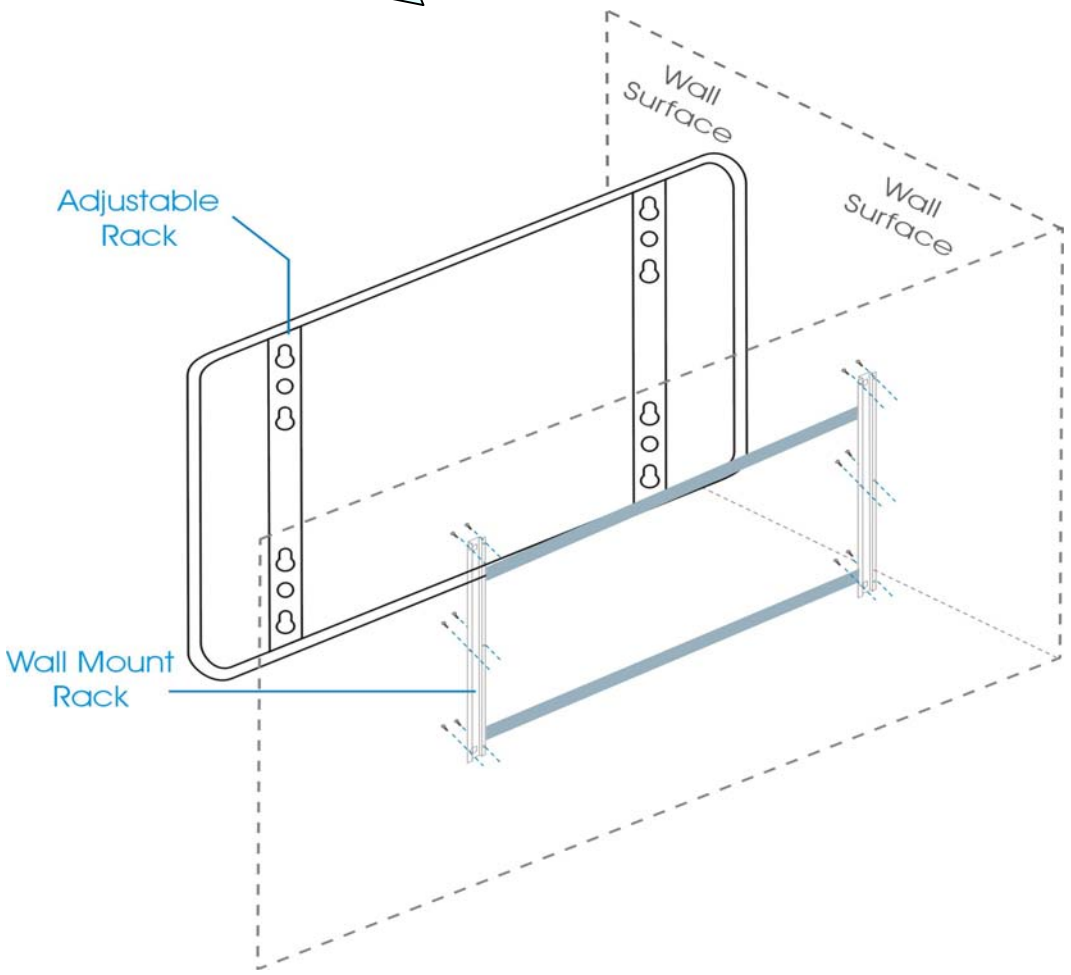
Touch eBoard – USB		
Item	**Description**	**Quantity**
1	Board with built-in IR Sensor	1
2	USB Cable (available for Touch eBoard-USB Version)	1
3	Software CD-ROM with Soft Copy User Manual	1
4	Pointer	1

3. Wall Mount Installation

Step 1 *Determine the desired location of the wall mount*

Step 2 *While holding the wall mount in place, check the proper level and then mark hole locations on the wall*

Step 3 *Screw firmly and securely the wall mounts into the wall surface Using the marked hole locations. Make sure the wall mount is level.*



⚠ WARNING

- At least two qualified service technicians should perform the installation procedure. Serious personal injury and/or damage can result from dropping this product.
- BEFORE the installation, please make sure both wall material and wall strength are suitable Otherwise, the board might fall which may cause injury and/or damage. Please consult your dealer for details.
- Use only the designated wall mount.
- Follow all installation instructions carefully.
- Make sure the mounting screws are properly sized to handle the weight of the board.
- Make sure the wall mount is firmly and securely anchored to a solid structure.
- Make sure the board is fastened firmly and securely to the wall mount before using it.

⚠ CAUTION

- Do not install this product in location where it may be exposed to direct sunlight, near heating equipment, or near air-conditioning vents.
- Do not install this product in strong sunlight or strong lighting location.
- Do not install this product in location where the temperature may change suddenly.
- Avoid to install two or more this product in the same room or adjacent to each other. Please consult your dealer for details.

5. Touch eBoard-Touch Software Installation

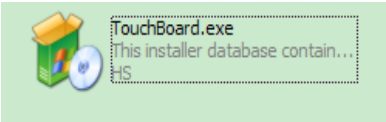
1 Install Touch eBoard software

2 Install Touch eBoard driver

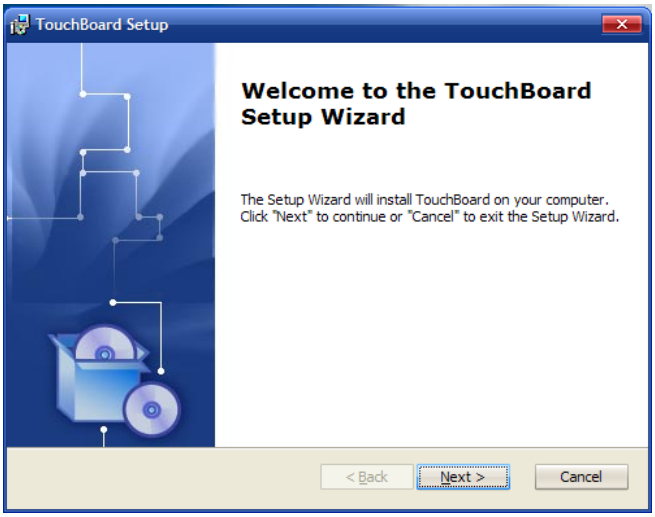
DO NOT connect Touch eBoard USB cable into your computer before Touch eBoard software & driver has been installed.

Step 1 Install Touch eBoard software

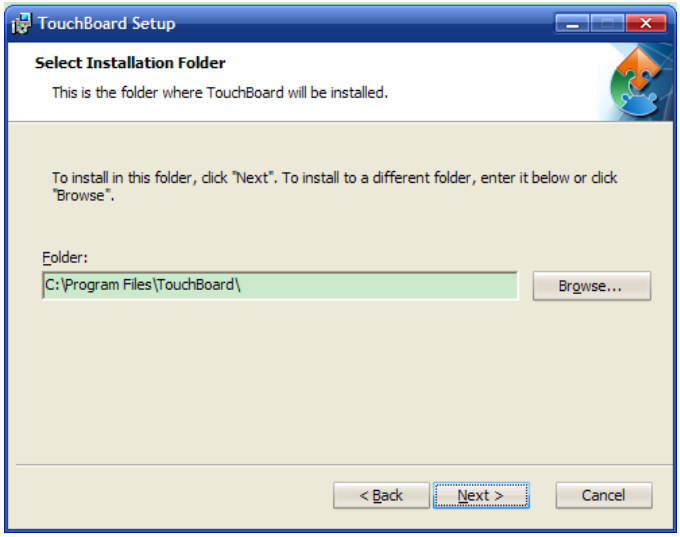
1) To run the Installation Program, double-click file name “Touch eBoard_install.exe”



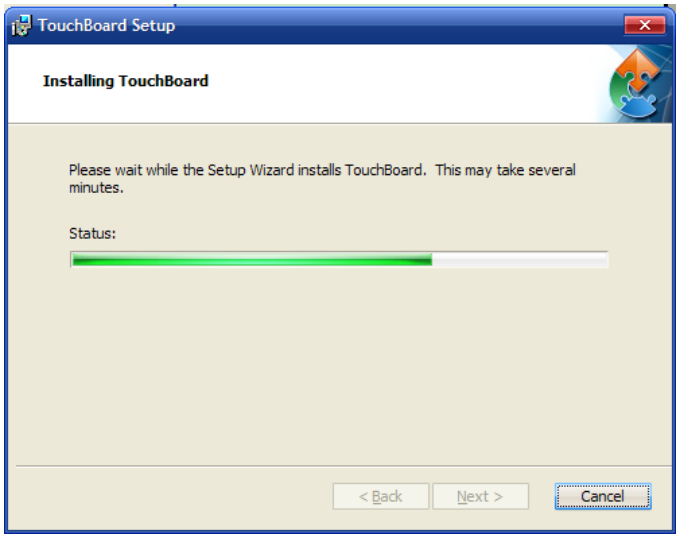
2) Click “Next” to install the software


TouchBoard Setup
Welcome to the TouchBoard Setup Wizard
The Setup Wizard will install TouchBoard on your computer. Click "Next" to continue or "Cancel" to exit the Setup Wizard.
< Back
Next >
Cancel

3) Choose destination location and click “Next” to continue.


TouchBoard Setup
Select Installation Folder
This is the folder where TouchBoard will be installed.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Folder:
C:\Program Files\TouchBoard\
Browse...
< Back
Next >
Cancel

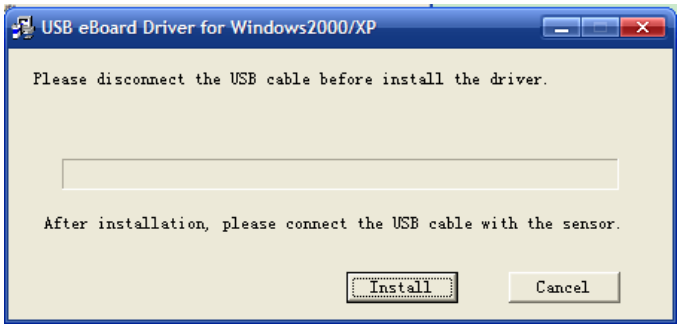
4) Installation Status Bar will be displayed and it will be closed automatically once installation completed.

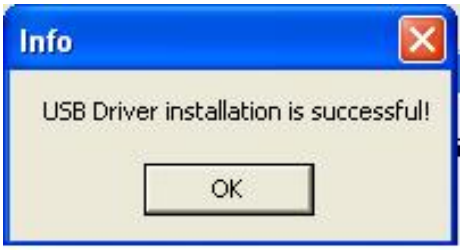


Step 2

Install the driver of Touch eBoard-USB or Touch eBoard-Wireless model

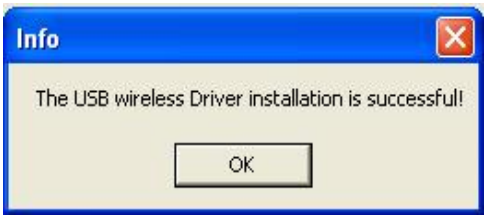
5) Click “Install” to install driver for Touch eBoard-USB.
Click “Cancel” if you want to install driver of Touch eBoard-Wireless
Installation Status bar will be displayed and “USB Driver Installation is successful” dialog will be shown once USB driver’s installation completed.
Then click “OK”.


USB eBoard Driver for Windows2000/XP
Please disconnect the USB cable before install the driver.
After installation, please connect the USB cable with the sensor.
Install
Cancel

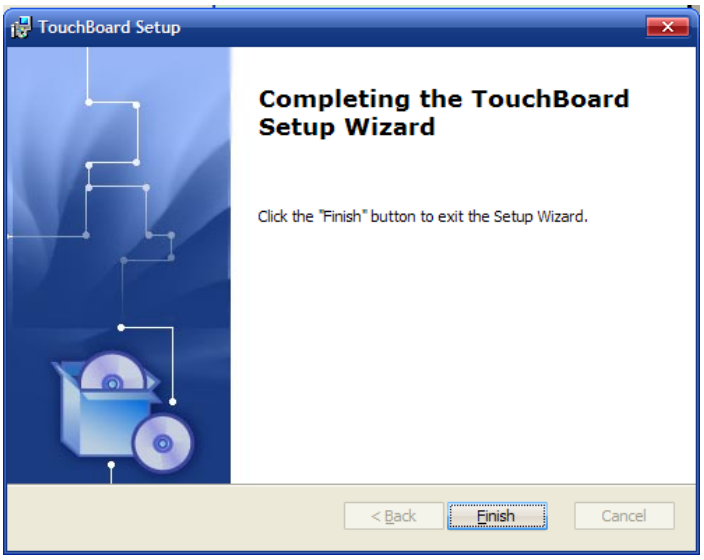


6) Touch eBoard Wireless Receiver installation dialog will be shown after the installation of USB Driver has been completed.
Click “Install” to install driver of Touch eBoard-Wireless.
Click “Cancel” if you have already installed the driver of Touch eBoard-USB

Wirless Receiver Driver for Windows2000/XP
Please disconnect the Receiver Device before install the driver.
After installation, please connect the USB Receiver Device.
Install
Cancel



7) Click “Finish” to exit upon the Touch eBoard-USB or Touch eBoard-Wireless driver has been successfully installed.



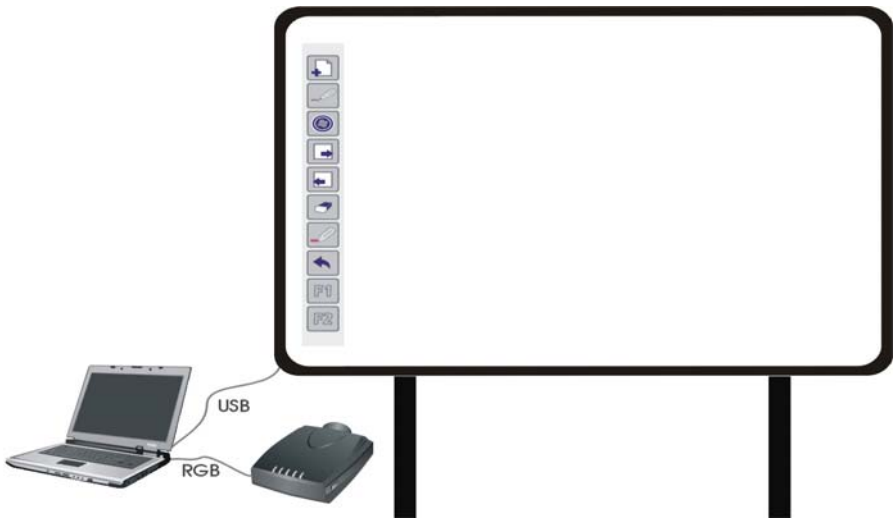
8) Plug the other end of USB cable into your computer/laptop’s USB port.

9) Touch eBoard-USB or Touch eBoard-Wireless Receiver has been detected and ready to use upon the following dialogue shown.

6. Touch eBoard Connection

User must have PC, projector, Touch eBoard-USB or Touch eBoard-Wireless Receiver and connect them as shown in the figure below.

Touch eBoard-USB - Model Connection Diagram



Touch eBoard- Wireless Model Connection Diagram

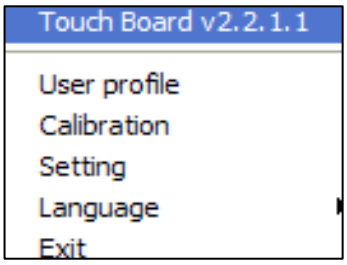
Upon the connection is completed, adjust the position of the video projector until the projected Windows screen on the board is within the whiteboard working area.

7. Touch eBoard Configuration

Touch eBoard configuration Main Manual

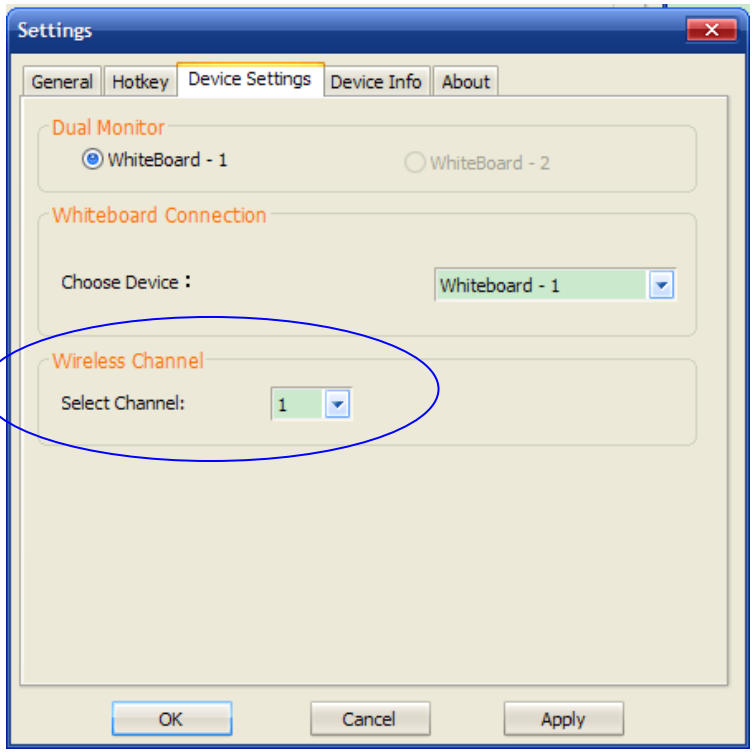
Right click the icon to show the Main Menu of

Touch eBoard-Touch configuration.



7.1 Wireless setting

20 channels are available for Touch eBoard-Wireless. To change channel for Touch eBoard-Wireless, selected “Wireless” and channel then click “ok”.

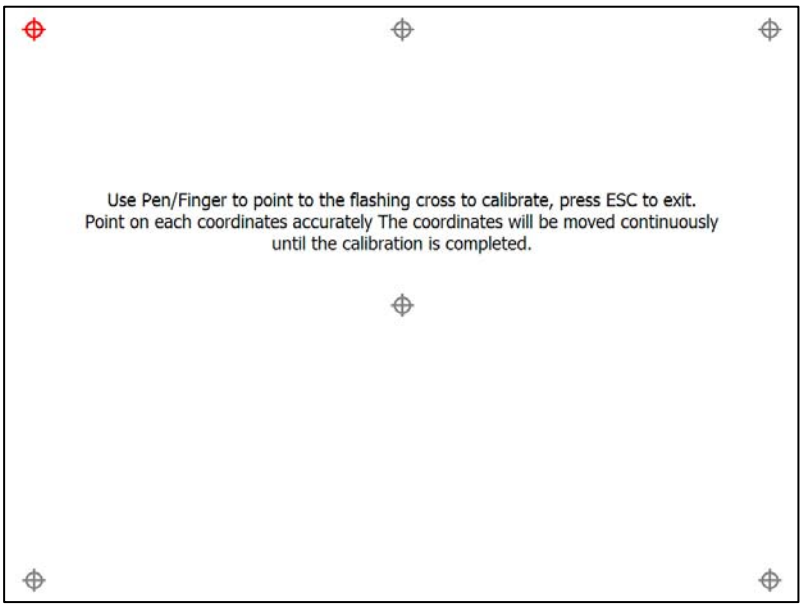


7.2 Calibration

Calibration for Touch eBoard after first time installation or projector size and projector's position has changed.

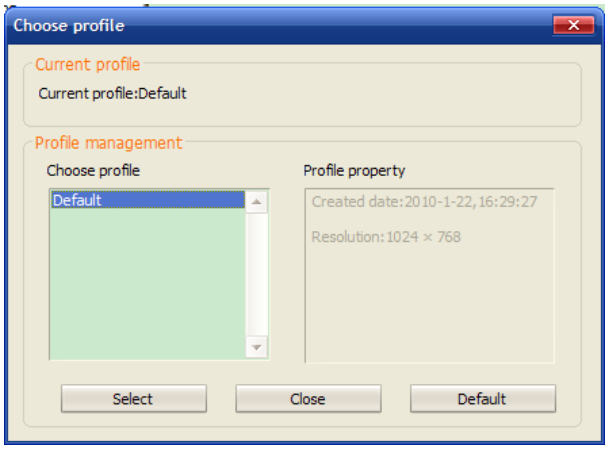
Step 1

Point to the flashing cross to calibrate, press ESC to exit. Point on each coordinates accurately. The coordinates will be moved continually until the calibration is completed.


Use Pen/Finger to point to the flashing cross to calibrate, press ESC to exit.
Point on each coordinates accurately The coordinates will be moved continuously
until the calibration is completed.

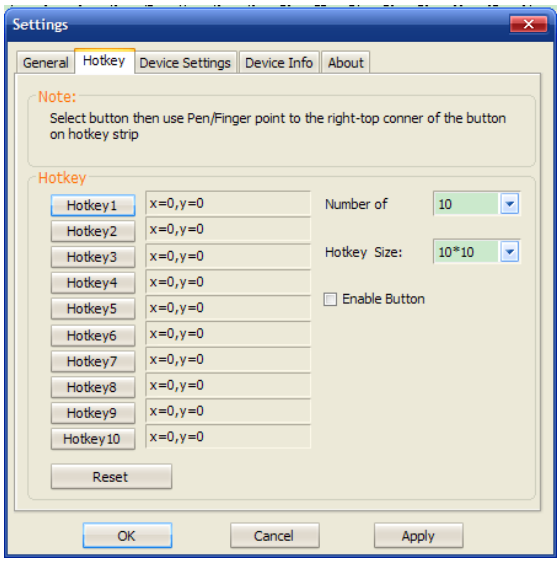
Step 2

Calibration data can be saved for each location with same resolution and projector setting. Users do not have to calibrate again for the same location provided that the projector's position and setting remain the same.



User can select location profile when using Touch eBoard in the same location next time.

7.3 Hotkey Setting



- 10 hotkeys can be set
- Hotkey strip (provided) can be pasted at any position on the whiteboard
- User can set Calibration, open application software as eBoard hotkeys.

User can set the hotkey's coordinate by the following steps ***if the necessary.***

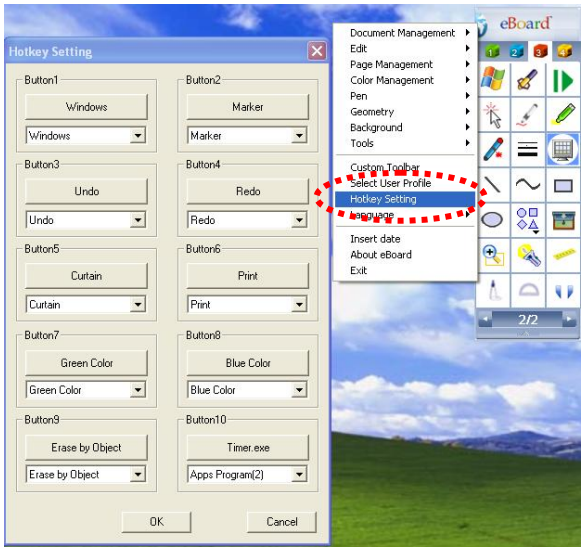
Step 1 => Select hotkey size & "Enable Button" on the Button Setting

Step 2 => Move the cursor to the coordinate next to Button 1

Step 3 => Point on the" **right top corner on Button**" 1 in Whiteboard, the X,Y coordinate will be show

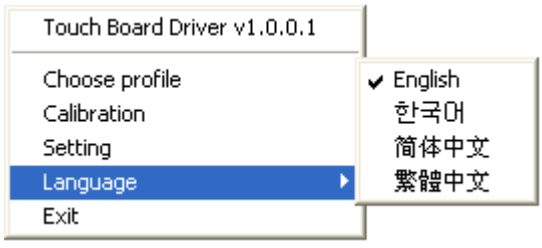
Step 4 => Repeat Step 2 & 3 to set Button 2 to Button 10.

Step 3 => Click "OK" to save the settings



7.4 Language

Touch board driver supports multi-language (e.g. English, Chinese, Spanish, Japanese, Korean & French)

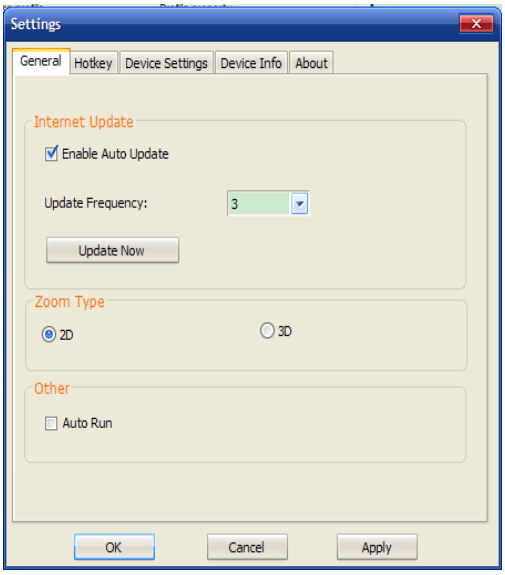


7.5 General Settings:

■ **Internet Update**

To keep the eBoard software up to date, when internet connected and latest software version is available, live update will be carried automatically.

Note: If you are using Windows 7 or Vista. The Microsoft's security settings does not allow automated connect to the server for software update. Please disable the UAC when using this feature, otherwise the new version of the software would be unable be download.



■ **Zoom type**

2D: Zoom gesture recognition for PDF reader, Internet Explorer…

3D: Zoom gesture recognition for Google Earth, CAD…

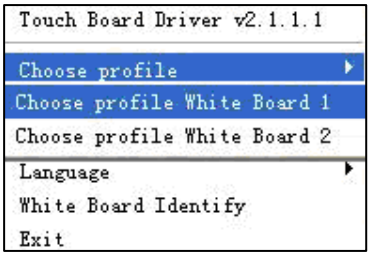
■ **Auto Run**

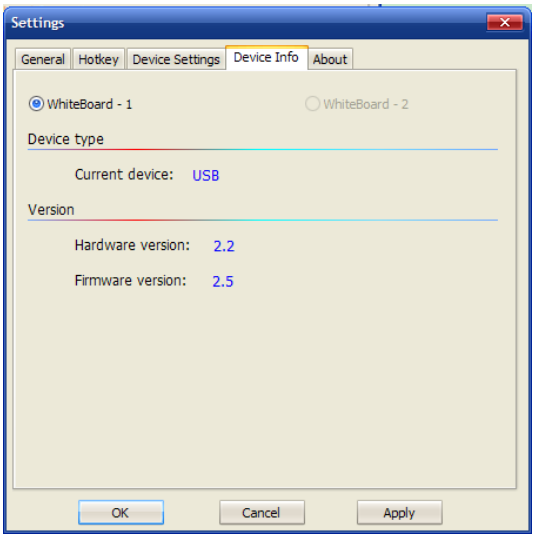
Once PC started, eBoard Driver will be run automatically.

Disable if user is not use eBoard software frequently.

■ **Dual Whiteboards**

System supports dual whiteboard. When there are two Multi-Touch eBoards or two display monitor and projectors connect to the computer, the system will automatically display "Dual Board Menu", allows user to do configuration and setting..

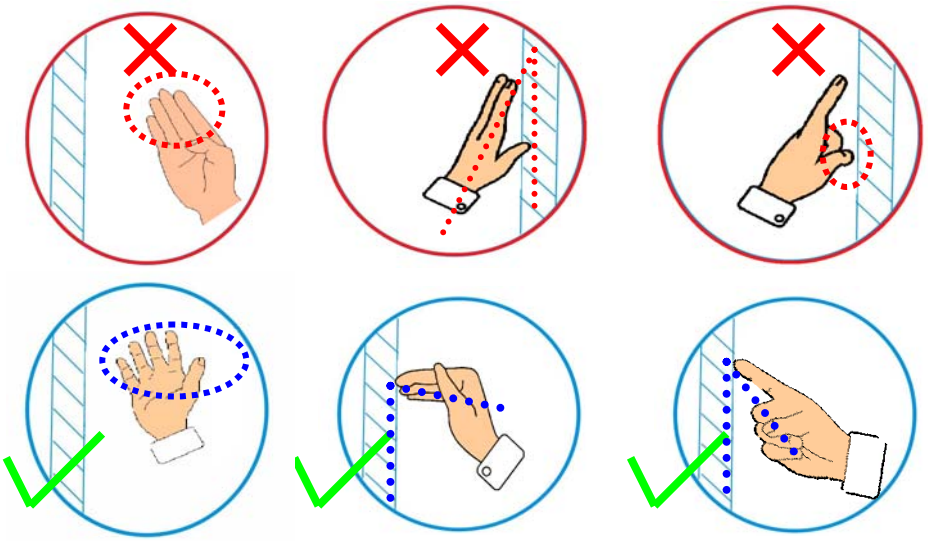




■ **Device connection type**

The system will show the device type connected, i.e. USB version or Wireless version.

Multi-touch Gesture Recognition



Draw / Mouse

One finger for drawing (in whiteboard mode) or controlling you PC in Widows mode.

Scroll

To scroll, simply use two finger to move up / down / left / right.

Page Up / Page Down

Four fingers move left or right to go to next page or previous page.

Show the Desktop

Slide the screen by four fingers from down to up to switch to your Windows desktop.

Switch

Slide the screen by four fingers from up to down to switch to Windows next tasks.

Show/Hide Toolbar (hold down 2 sec)

To hide or show eBoard toolbar, hold 5 fingers for 2 seconds on the screen.

Zoom In / Out for 3D software

Double click by two fingers for zoom in / out when 3D zooming activated

Erase

Palm and normal eraser can activate eraser function.

Right Click

Double click by two fingers:
- to call the right-click quick menu in Windows mode
- eBoard toolbar will follow the fingers' position

Rotate & Resize

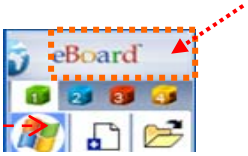
Rotate or resize images by two fingers.

Zoom In / Out for 2D software

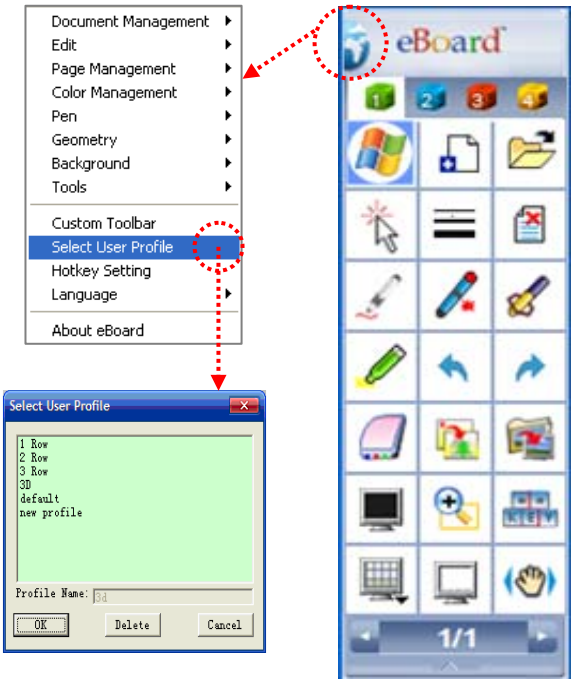
Zoom in / out by 2 fingers for IE application or PDF reader.

8. Touch eBoard Software Operation

Drag & move toolbar Location

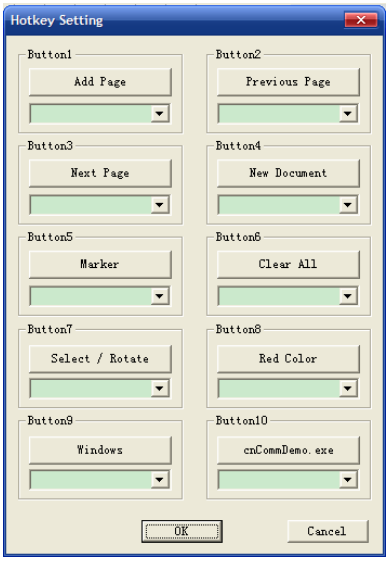


To display the sub-menu, click the logo on the toolbar



Hotkey Setting

Users can configure 10 different button hotkeys from function list

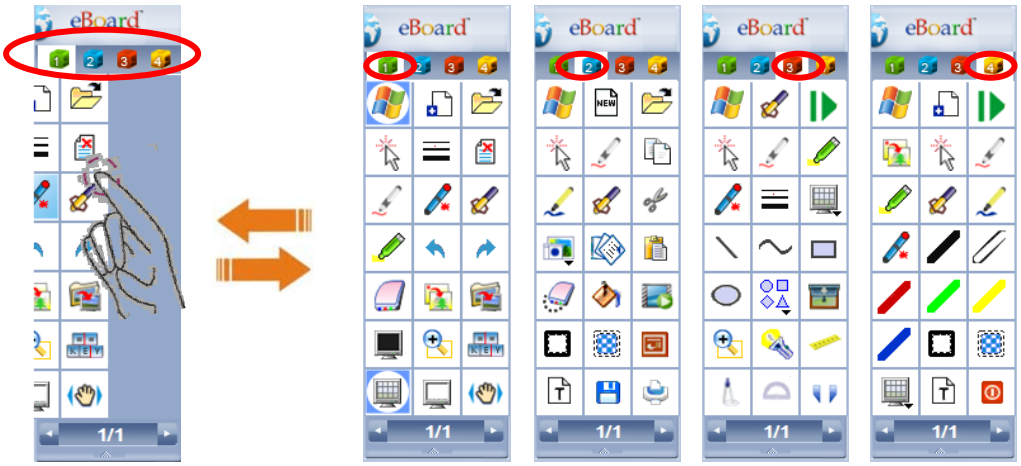


Toolbar customization

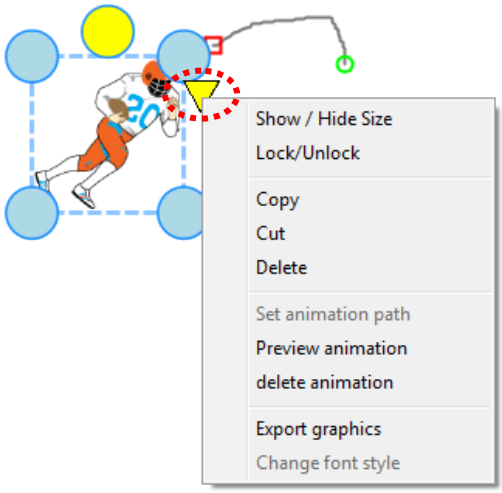
Users can customize the toolbar by user preference

- Select Button Layout (1 Row, 2 Rows , 3 Rows or 3D multi layer)
- Select Button Orientation (Horizontal or Vertical)
- Select functions to be displayed in toolbar
- Setup Toolbar brightness
- Setup playback speed
- Enable / disable “Auto Run at Startup”
- Enable / disable “Line Enhancer”
- Select “Save As” button to save your customize new toolbar
- Saved user profile can be re-called in sub-menu

Use pointer or finger drag of button to swap 1-4 page menu

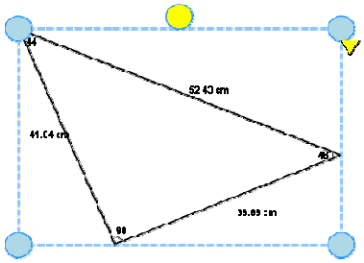


Quick Menu for Object



Click the yellow arrow, quick menu will pop up:

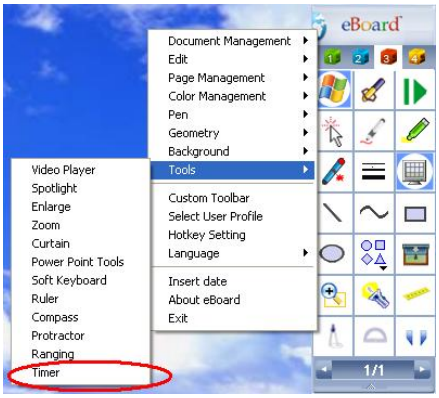
- Show /Hide figures for the measured geometry
- To protect the object, click “Lock/Unlock”. Click one more time to release.
- “Set animation path” - allow user to create moving path for the selected object. Object motion can save as flash or video
- Click “Export graphics” to export the selected object to the common graphic file format

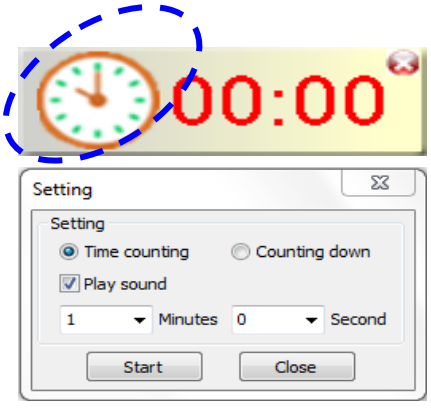


Timer

Click logo of eBoard, select “Tools” then click “Timer”. Timer will be shown up.

To set up the timer, click the icon of clock.





Annotating your Desktop

Touch eBoard Software allows you to annotate your computer by the following functions.

File Management

Icon	*Functions*	*Description*
	New Document	Create New Document
	Open Document	Open Document : word, Excel, PPT, PDF, & Office 2007 Doc format
	Save Document	Save Document, document can be saved in Touch eBoard file format & jpg,bmp,png,wmf,tiff,html,pdf,wmv,swf,flv,mpeg,mov… Exporting image format : wmf,tiff,gif,jpeg,bmp.jpg,png
	Print	Print Document
	Exit	Exit Program

Editing Tools

Icon	*Functions*	*Description*
	Clear All	Clear All Selection
	Insert Image	Insert Image from Library : Image : jpg,jpeg ,bmp,gif,png,wmf,tiff, Video : mov,wmv,asf,mov,mpg,mpeg,avi,swf. Audio : wma,wav,mp3
	Copy	Copy written line
	Paste	Paste written line
	Cut	Cut written line
	Delete Selection	Delete the selected area
	Select object	Select object / Resize /Rotate
	Scroll	Scroll move pages
	Insert Text	Insert text or text file in the existing document
	Undo	Allow user to undo written lines.
	Redo	Allow user to redo the written lines.

	Playback	Playback content for entire page
	Eraser	Erase by point
	Erase Object	Erase the selected object
	Fill Color	Fill Color for Shape
	Capture Background	Screen Capture

Page Tools

Icon	*Functions*	*Description*
	Add Page	Add a blank page in the existing document.
	Previous Page	Switch to previous page.
	Next Page	Switch to next page.
	Page List	Page browser for the existing document and user can perform page switch.

Color Selection

Icon	*Functions*	*Description*
	Select Color	Select Pen Color
	Select Fill Color	Select Fill Color
	Black Color	Black Color Pen
	White Color	White Color Pen
	Blue Color	Blue Color Pen
	Red Color	Red Color Pen
	Green Color	Green Color Pen
	Yellow Color	Yellow Color Pen

Pen and Line Selection

Icon	*Functions*	*Description*
	Smart Pen	Shape / line Recognition
	Pen	Pen
	Brush	Brush
	Highlighter	Highlighter for emphasis
	Laser Pen	Laser Pen for presentation
	Line	Line
	Curve	Curve
	Rectangle	Rectangle Shape
	Ellipse	Ellipse Shape
	Line Thickness	Adjust Line Thickness

Geometry Drawings

Icon	*Functions*	*Description*
	Geometry Drawings	Geometry Drawings Selection
	Geometry Line	Geometry Line
	Geometry Rectangle	Geometry Rectangle / Square
	Geometry Ellipse	Geometry Ellipse
	Geometry Triangle	Geometry Triangle
	Geometry Circle by Radius	Geometry Circle by Radius
	Geometry by Diameter	Geometry by Diameter
	Geometry by 3 Points	Geometry by 3 Points
	Geometry Parallelogram	Geometry Parallelogram
	Geometry Pentangle	Geometry Pentangle
	Geometry Coordinate	Geometry Coordinate

Background Selection

Icon	*Functions*	*Description*
	Windows / White Board	Switch between Windows and White Board
	White Background	White Background
	Insert Background	Insert Image Background
	Windows Background	Windows Screen or Select Other Background Color
	Black Background	Black Background

Add-on Tools

Icon	*Functions*	*Description*
	Spotlight	Spotlight the importation parts of presentation. Environment brightness and size of spotlight can be adjusted by users' preference.
	Zoom In	Zoom In the selected parts of presentation Area and size can be adjusted.
	Zoom	Zoom In
	Curtain	Hide / Unhide a portion of presentation to draw the audience's attention.
	Keyboard	Soft Keyboard
	Protractor	Measure angle
	Compass	Draw circle
	Ruler	Ruler : mm, cm, in,
	Gauge	Measure Dimension

Plug-in Application Software

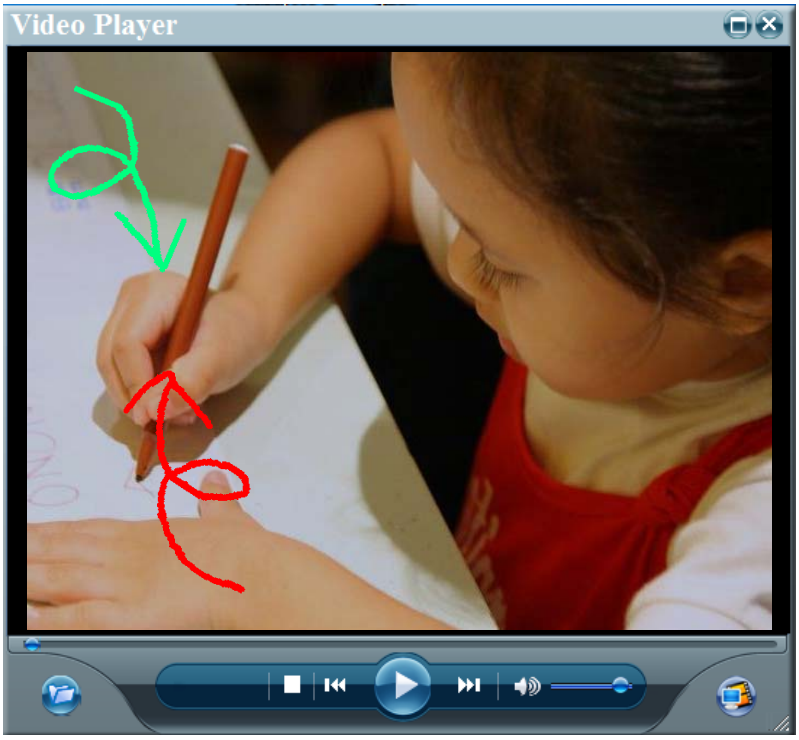
	Power Point Helper	Users can call up a Power Point Helper from the Touch eBoard menu and control the Power Point presentation

5 functions can be selected from Powerpoint Helper

- Open Document
- Slide Show / End Slide Show
- Previous Page
- Next Page
- Laser Pen

User can select “Laser Pen” to draw over presentation, drawing will be disappeared in 5 Seconds.

	Media Player Toolbar	Users can open a media file (support flash .mpeg, asf, avi, mpg, wav), the video playing and drawing over the video.
	USB Video Capture	User can capture video and drawing over the video



9. Notices

Every effort has been made to ensure all information contained in this user guide is correct, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to this product which is not contained in this manual or any contrary statements contained on your purchase order shall have no force of effect unless expressly agreed upon, in writing, by this company.

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The contents of this user guide are subject to change without prior notice.

10. Warranty

This product hardware, which is limited to the built-in Sensor, Wireless USB Receiver, Power Adaptor and Electronic Stylus is warranted to be free from defects in material or manufacture for one (1) year from the date of purchase. THIS COMPANY MAKES NO OTHER WARRANTIES OR CONDITIONS INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If this product is defective within the warranty period stated above, your exclusive remedy shall be, at this company's option, to replace or repair this product or refund the purchase price of this product. This company will not be liable for any direct, indirect, special, incidental or consequential loss of damage arising from this product.

You will bear the costs of all required services, repairs and damages resulting from defects in this product and will bear the costs of direct or indirect damage (including the loss of profits or required information) that resulted from this product defects.

Even during the warranty period stated above, you will need to pay a repair charges in the following cases:

- When you are not the original purchaser (for example, you purchase it from another customer).
- When the malfunction or damage results from improper handling (such as fall, impact, etc. during transportation, movement or using).
- When the malfunction or damage results from handling contrary to the methods, warnings and cautions mentioned in this user guide.
- When the malfunction or damage result from abnormal voltage, pollution or other natural disasters.
- When the malfunction or damage results from a connection by other equipment not authorized by this company.
- When the malfunction or damage results from consumables ordinary wear and tear during normal use.

You are responsible for shipping charges required to send all or part of this product for repairing.

You are responsible for the labor fees for repair-associated equipment assembly or disassembly.

The aforementioned warranty provisions supersede all express or implied warranties that include legal defect liability.